

						Rev. 03/05/04
PTO form	1449A				Complete	e if Known
INE	OPA	MATION DISCLO	SUPE	Applic	ation Number	10/656,358
		·	_	Filing		09/04/2003
51	AIE	MENT BY APPL	ICANI	First N	lamed Inventor	Donna L. Robinson
luco oc mo	any cha	ets as necessary)		Art Un		1753
(USE as III	iny She	ets as necessary)		Exami	ner Name	N. J. Panaro
Sheet	1	of 5	,	Attorn	ey Docket Number	S-100,543
Examiner Initials	Cite No.	Document Number Number - Kind Code <sup>2</sup> (# known)	Publication D MM-DD-YY		Name of Patentee or Applicant of Cited Occument	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
1/	1	US-5,171,534	12-19	92	Smi.th	
N	2	US-5,075,216	12-19	91	Innis	
W	3	US-5,614,365	OZ -19	97	Tabor	
		US-	<del>                                     </del>			
		US-		···········		
		US-	1			
		US-				
		US-				
		US-			· _ · · · · · · · · · · · · · · · · · ·	
		US-				
		US-				
		US-				
		US-			, ,	
		US-				
		US-				
		US-				
		US-				
		US-	İ			
		US-				
		US-				
		· · · · · · · · · · · · · · · · · · ·			<del>`</del>	· · · · · · · · · · · · · · · · · · ·

Cite No.	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
4	WO 98/13523				<del>                                     </del>
5	European Patent No. 0 655				
	506 A1			·	
			·		<del> </del>
					<b> </b>
	ĺs /	Date Consider	ed / 0 / i	5	
		No. Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)  4 WO 98/13523  5 European Patent No. 0 655	No. Country Code <sup>3</sup> - Number <sup>3</sup> - Kind Code <sup>6</sup> (if known) MM-DD-YYYY  4 WO 98/13523 5 European Patent No. 0 655 506 A1  Date	No. Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)  MM-DD-YYYY  Applicant of Cited Document  WO 98/13523  5 European Patent No. 0 655  506 A1	No. Country Code <sup>3</sup> - Number <sup>3</sup> - Kind Code <sup>6</sup> (if known)  MM-DD-YYYY  Applicant of Cited Document  Where Relevant Passages or Relevant Figures Appear  WO 98/13523  5 European Patent No. 0 655  506 A1  Date

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation (if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional).

See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

Senter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

Nind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

\*Applicant is to place a check mark here if English language Translation is attached.

Substitute	for form 1449B/PTO			Co	mplete if Known
IN	ORMATION	DISC	LOSURE	Application Number	10/656,358
	ATEMENT BY			Filing Date	09/04/2003
31	AICHENI D	IAF	LICAN	First Named Inventor	Donna L. Robinson
(use as ma	any sheets as necess	sarv)		Art Unit	1753
(355 35	, 0000 050000	, , ,		Examiner Name	N. J. Panaro
Sheet	2	of	5	Attorney Docket Number	S-100,543

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published (when known)	T²
,	6	Product insert/literature: "GC-RICH PCR System", Roche Diagnostics GmbH	
Vi		No Dade 7 rov. de l	
	7	Kumari and Anji, 2001, "Sequencing Through GC-rich and AT-rich Sequences with the SequiTherm TM EXCEL TM II DNA Sequencing Kit" Epicentre Technologies technical journal 8(3): 9.	
	8	Grunenwald, 2002, "Unlike Other PCR Products, the FailSafe PCR System Amplifies a GC-Rich Template and a 20-Kb Template on the first Try" Epicentre Technologies technical journal 9(3):3.	
	9	Sequencing Protocol, Epicentre Technologies, "SequiTherm EXCEL IM II DNA Sequencing Kit-LC, for 25-41cm gels. We Date Provided	
	10	Sequencing Protocol, Epicentre Technologies, "SequiTherm EXCEL IM II DNA Sequencing Kit-LC, for 66 cm gels. Under Production	
	11	Epicentre Technologies, "Tech Tips: SequiTherm M Cycle Sequencing Kit for Manual Sequencing of DNA.	
	12	Chakrabarti and Schutt, 2001, "The enhancement of PCR amplification by low molecular-weight sulfones" Gene 274:293-298.	
	13	Majlingova et al., 2003, "Successful PCR amplification and subcloning of a GC-rich DNA fragment" Qiagen news 1: 18-19.	
-	14	Web pages concerning DNA Sequencing Trouble-Shooting: Sequencing GC Rich Regions and Hairpins.	
W	15	Product information concerning 7-Deaza-dGTP, Roche Applied Science 2003/2004.	
Examiner Signature		Date / 0 / 0 %	

 $<sup>^{\</sup>rm 1}$  Applicant's unique citation designation number (optional).  ${\rm T^2}$  Applicant is to place a check mark here if English language Translation is attached.

Substitute	for form 1449B/PTO	-		Co	mplete if Known
INI	FORMATION D	DISC	OSURE	Application Number	10/656,358
	ATEMENT BY	– – .		Filing Date	09/04/2003
31	AIEMENI DI	AFF	LICANI	First Named Inventor	Donna L. Robinson
luse as ma	any sheets as necessa	arv)		Art Unit	1753
(050 05 111	any onects do necessi	u. y ,		Examiner Name	N. J. Panaro
Sheet	3	of	5	Attorney Docket Number	S-100,543

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published (when known)	T <sup>2</sup>
14	16	SANGER et al., 1977, Proc. Natl. Acad. Sci. U.S.A., 74: 5463.	
	17	SANGER et al., 1980, J. Mol. Biol., 143:161-78;	
	18	SCHREIER et al., 1979, J. Mol. Biol., 129:169-72;	
	19	SMITH et al., 1985, Nucleic Acids Research, 13:2399-2412;	
	20	SMITH et al., 1987, Nature, 321:674-79;	
	21	PROBER et al., 1987, Science, 238:336-41;	
	22 .	1987, Section II, Meth. Enzymol., 155:51-334;	
	23	CHURCH et al., 1988, Science, 240:185-88;	_
	24	SWERDLOW et al., 1989, Nucleic Acids Research, 18: 1415-19;	
	25	RUIZ-MARTINEZ et al., 1993, Anal. Chem., 2851-58;	
	26	STUDIER, 1989, PNAS, 86:6917-21;	
Examiner Signature		Date Considered / 0 / 15	

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional).
T<sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute	for form 1449B/PTO			Co	mplete if Known	
INI	INFORMATION DISCLOSURE STATEMENT BY APPLICANT e as many sheets as necessary)	LOSURE	Application Number	10/656,358	_	
1		-		Filing Date	09/04/2003	
31	AI CINICIAI DI	AP	LICAIVI	First Named Inventor	Donna L. Robinson	
fuse as m	INFORMATION DISCLOSURE STATEMENT BY APPLICANT se as many sheets as necessary)	Art Unit	1753			
(000 00 111	any oncous as nocoos	٠, ,		Examiner Name	N. J. Panaro	
Sheet	4	of	5	Attorney Docket Number	S-100,543	

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published (when known)	T²
W	27	KIELECZAWA et al., Science, 258:1787-91; 1992	
	28	CONNELL et al., 1987, Biotechniques, 5:342-348;	
	29	MAXAM et al., 1977, Proc. Natl. Acad. Sci. USA, 74:560-564;	
	30	SMITH et al., 1986, Nature 321:674-679.	
	31	LEE et al., 1992, Nucleic Acid Research 20:2471;	_
	32	MURRAY, 1989, Nucleic Acids Research 17:8889;	*
	33	BURGETT et al., 1994, In: Automated DNA Sequencing and Analysis, ed. Adams et al., Academic Press, San Diego, CA, pp. 211-215;	
	34	LANDRE et al., 1995, In: PCR Strategies, ed. Innis et al., Academic Press, San Diego, CA, pp. 3-16;	
	35	HENKE et al., 1997, Nucleic Acids Res. 25:3957-3958;	
	36	BASKARAN et al., 1996, Genome Res. 6: 633-638;	· · · · · · · · · · · · · · · · · · ·
W	37	INNIS, 1990, In: PCR Protocols: A Guide to Methods and Applications, ed. Innis et al., Academic Press, San Diego, CA, pp. 54-59;	
Examiner Signature		Date Considered 10/05	

 $<sup>^{\</sup>rm 1}$  Applicant's unique citation designation number (optional).  $\text{T}^{\rm 2}$  Applicant is to place a check mark here if English language Translation is attached.

Substitute	for form 1449B/PTO			Co	mplete if Known
l ini	FORMATION I	DISC	LOSURE	Application Number	10/656,358
	ATEMENT BY			Filing Date	09/04/2003
) 31	AIEMENI DI	AFF	LICANI	First Named Inventor	Donna L. Robinson
luca as m	any sheets as necess	anv) .		Art Unit	1753
(030 83 1111	any sneed as necess	۵. ۷٫		Examiner Name	N. J. Panaro
Sheet	5	of	5	Attorney Docket Number	S-100,543

	Cite	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS  Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the	Τ²	
Examiner Initials	No. item (book, magazine, journal, serial symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published (when known)			
W	38	FERNANDEZ-RACHUBINSKI et al., 1990, DNA Seq. 1: 137-140;	-	
	39	Automated DNA Sequencing, Chemistry Guide (Applied Biosystems Inc., 2000);		
	40	TABOR AND RICHARDSON, 1995, Proc. Natl. Acad. Sci. USA 92: 6339-6343;		
	41	EWING AND GREEN, 1998, Genome Research 8: 186-194;		
W	42	EWING et al., 1998, Genome Research 8: 175-185.		
		·		
		·		
Examiner Signature		Date Considered 10/05	1	

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional).
T<sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.